1/36

SEQUENCE LISTING

- <110> ONCOTHERAPY SCIENCE, INC.
 THE UNIVERSITY OF TOKYO
- <120> METHODS OF DETECTING METHYL TRANSFERASE ACTIVITY AND METHODS OF SCREENING FOR METHYL TRANSFERASE ACTIVITY MODULATORS
- <130> ONC-A0310P
- <150> US 60/538,658
- <151> 2004-01-23
- <160> 55
- <170> PatentIn version 3.3
- ⟨210⟩ 1
- ⟨211⟩ 22
- <212> DNA
- <213> Artificial
- ⟨220⟩
- <223> An artificially synthesized primer sequence for RT-PCR
- <400>

2/36

acaacagcct caagatcato	c ag	22
-----------------------	------	----

⟨210⟩ 2

<211> 20

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 2

ggtccaccac tgacacgttg 20

<210> 3

⟨211⟩ 23

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 3

ttcccgatat caacatctac cag 23

3/36

⟨210⟩ 4

⟨211⟩ 23

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 4

agtgtgtgac ctcaataagg cat

23

⟨210⟩ 5

<211> 25

<212> DNA

<213> Artificial

<220>

 $\langle 223 \rangle$ An artificially synthesized primer sequence for RT-PCR

<400> 5

aatcatcgct acaagctgaa gcgtg

25

<210> 6

4/36

⟨211⟩ 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<**400**> 6

gcataaaatc taactctggg gctgg

25

<210> 7

⟨211⟩ 23

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 7

acctcttcaa cagcaatcac aag

23

⟨210⟩ 8

⟨211⟩ 23

<212> DNA

5/36

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 8

gcatgctcag tcttttcctc tta

23

<210> 9

<211> 21

<212> DNA

<213> Artificial

<220>

 $\langle 223 \rangle$ An artificially synthesized primer sequence for RT-PCR

<400> 9

gtgctcttct cgcaggcgca g

21

⟨210⟩ 10

⟨211⟩ 22

<212> DNA

<213> Artificial

6/36

<220>

 $\ensuremath{\texttt{\langle 223\rangle}}$ An artificially synthesized primer sequence for RT-PCR

<400> 10

ataccatgca gcgtggacac tc

22

⟨210⟩ 11

⟨211⟩ 21

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<**400>** 11

gatacccaca accgcaattc t

21

⟨210⟩ 12

<211> 23 ⋅

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

7/36

⟨400⟩ 12

caaacaggaa ccaagaacaa gtc

23

<210> 13

⟨211⟩ 23

<212> DNA

<213≻ Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 13

agttaaacag agccaaaggg aag

23

⟨210⟩ 14

<211> 23

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 14

8/36

ctgtagtctt tccgaactgt gtg

23

⟨210⟩ 15

<211> 24

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 15

gagaccatct tcgtcaaggt cacg

24

⟨210⟩ 16

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 16

cgtgttcata gcaaatggtg cactc

25

9/36

⟨210⟩ 17

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 17

ccctttggag aacagggaaa gcctg

25

<210> 18

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 18

gctgatctca gggcatagcc aggag

25

<210> 19

10/36

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 19

aaaggctgag tgcatcgtcc gtctc

25

⟨210⟩ 20

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 20

ggtagccagc aggaggtgat tcgtg

25

<210> 21

<211> 21

<212> DNA

11/36

<213> Artificial

<220>

 $\langle 223 \rangle$ An artificially synthesized primer sequence for RT-PCR

<400> 21

agagaatccc tgatccacgt c

21

<210> 22

<211> 23

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 22

cgggctagta gaaggagtac tgg

23

⟨210⟩ 23

⟨211⟩ 25

<212> DNA

<213> Artificial

12/36

<220>

 $\langle 223 \rangle$ An artificially synthesized primer sequence for RT-PCR

<400> 23

ggcaccactt tcgtgcagta ccagg

25

<210> 24

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for RT-PCR

<400> 24

gtcaggcatc tctgcacagt ccagg

25

<210> 25

<211> 26

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

13/36

<400> 25

tgcattattc cggactgaac aaatgc

26

<210> 26

〈211〉 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

<400> 26

gttgctaaat tgtagcgaag ggctc

25

<210> 27

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

<400> 27

14/36

acccaagtac agago	ccttc gctac	25

<210> 28

<211> 24

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

<400> 28

tcactgcctg ggctttggtc tttg

24

⟨210⟩ 29

<211> 25

<212> DNA

<213> Artificial

⟨220⟩

<223> An artificially synthesized primer sequence for ChIP assay

<400> 29

gaccaaagcc caggcagtga gagtg

15/36

<210> 30

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

<400> 30

ctgaggaagg gctgggacaa cattc

25

⟨210⟩ 31

<211> 25

<212> DNA

<213> Artificial

<220>

 $\langle 223 \rangle$ An artificially synthesized primer sequence for ChIP assay

<400> 31

tggctacaag cctcttctgt tttgc

25

<210> 32

16/36

<211> 25

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for ChIP assay

<400> 32

aggggtgggt ttattagcac ccagg

25

⟨210⟩ 33

<211> 44

<212> DNA

<213> Artificial € 100 Artificial € 100

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro binding assay

<400> 33 ⋅

ttacgccctc ctgaaacttg tcatcctgaa tcttagaggg gccc

44

<210> 34

⟨211⟩ 44

17/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro binding assay

<400> 34

gggcccctct aagattcagg atgacaagtt tcaggagggc gtaa

44

⟨210⟩ 35

<211> 15

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro binding assay

<400> 35

ccctttgatc ttacc

15

<210> 36

18/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro binding assay

<400> 36

ggtaagatca aaggg

15

⟨210⟩ 37

⟨211⟩ 15

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro binding assay

<400> 37

ccctttggcc ttacc

15

⟨210⟩ 38

⟨211⟩ 15

19/36

<212> DNA

<213≻ Artificial

<220>

<223> An artificially synthesized oligonucleotide probe for in vitro
binding assay

<400> 38

ggtaaggcca aaggg

15

⟨210⟩ 39

<211> 29

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructiing
mutant-type ZNFN3A1.

<400> 39

cggaattctg gcgtcgtctg cgaccgctg

29

<210> 40

20/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructing
mutant-type ZNFN3A1.

<400> 40

ggggtacctt aggatgctct gatgttggcg tc

32

⟨210⟩ 41

⟨211⟩ 32

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructing mutant-type ZNFN3A1.

<400> 41

cggaattcag actccgttcg acttcttggc ag

32

<210> 42

21/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructing mutant-type ZNFN3A1.

<400> 42

cggaattccc ggaagcagct gagggaccag tac

33

⟨210⟩ 43

⟨211⟩ 33

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructing
mutant-type ZNFN3A1.

<400> 43

cggaattcga tggagccgct gaaggtggaa aag

33

<210> 44

⟨211⟩ 30

22/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence for constructing mutant-type ZNFN3A1.

<400> 44

ggggtacctt accggcgctc ctcactggtc

30

<210> 45

⟨211⟩ 33

<212> DNA

<213> Artificial

⟨220⟩

<223> An artificially synthesized primer sequence for constructing
mutant-type ZNFN3A1.

<400> 45

ggggtacctt agtctggagg atatctgggt ttg

33

<210> 46

23/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence to amplyfy the
fragment of Nkx2.8 promoter by PCR

<400> 46

agcgggcctg gtaccaaatt tgtg

24

<210> 47

⟨211⟩ 24

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized primer sequence to amplyfy the fragment of Nkx2.8 promoter by PCR

<400> 47

ccgggatgct agcgcattta cagc

24

<210> 48

24/36

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oliginucleotide sequence for plasmids expressing siRNA to ZNFN3A1

<400> 48

caccaacatc taccagctga aggtgttcaa gagacacctt cagctggtag atgtt

55

<210> 49

<211> 55

<212> DNA

<213> Artificial

<220>

<223> An artificially synthesized oliginucleotide sequence for plasmids expressing siRNA to ZNFN3A1

<400> 49

aaaaaaacatc taccagctga aggtgtctct tgaacacctt cagctggtag atgtt

55

<210> 50

25/36

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (96).. (1382)

<400> 50

gtgcgcgcag ggcgcaggcg cgcgggtccc ggcagcccgt gagacgcccg ctgctggacg 60

cgggtagccg tctgaggtgc cggagctgcg ggagg atg gag ccg ctg aag gtg 113

Met Glu Pro Leu Lys Val

1 5

gaa aag ttc gca acc gcc aac agg gga aac ggg ctg cgc gcc gtg acc 161

Glu Lys Phe Ala Thr Ala Asn Arg Gly Asn Gly Leu Arg Ala Val Thr

10 15 20

ccg ctg cgc ccc gga gag cta ctc ttc cgc tcg gat ccc ttg gcg tac 209

Pro Leu Arg Pro Gly Glu Leu Leu Phe Arg Ser Asp Pro Leu Ala Tyr

25 30 35

acg gtg tgc aag ggg agt cgt ggc gtc gtc tgc gac cgc tgc ctt ctc 257

Thr Val Cys Lys Gly Ser Arg Gly Val Val Cys Asp Arg Cys Leu Leu

40 45 50

26/36

ggg	aag	gaa	aag	ctg	atg	cga	tgc	tct	cag	tgc	cgc	gtc	gcc	aaa	tac	305
Gly	Lys	Glu	Lys	Leu	Met	Arg	Cys	Ser	Gln	Cys	Arg	Val	Ala	Lys	Tyr	
55					60					65					70	
tgt	agt	gct	aag	tgt	cag	aaa	aaa	gct	tgg	cca	gac	cac	aag	cgg	gaa	353
Cys	Ser	Ala	Lys	Cys	Gln	Lys	Lys	Ala	Trp	Pro	Asp	His	Lys	Arg	Glu	
				75					80					85		
tgc	aaa	tgc	ctt	aaa	agc	tgc	aaa	ccc	aga	tat	cct	cca	gac	tcc	gtt	401
Cys	Lys	Cys	Leu	Lys	Ser	Cys	Lys	Pro	Arg	Tyr	Pro	Pro	Asp	Ser	Val	
			90					95					100			
cga	ctt	ctt	ggc	aga	gtt	gtc	ttc	aaa	ctt	atg	gat	gga	gca	cct	tca	449
Arg	Leu	Leu	Gly	Arg	Val	Val	Phe	Lys	Leu	Met	Asp	Gly	Ala	Pro	Ser	
		105					110					115	•			
gaa	tca	gag	aag	ctt	tac	tca	ttt	tat	gat	ctg	gag	tca	aat	att	aac	497
Glu	Ser	Glu	Lys	Leu	Tyr	Ser	Phe	Tyr	Asp	Leu	Glu	Ser	Asn	Ile	Asn	
	120					125				-	130					
									-							
aaa	ctg	act	gaa	gat	aag	aaa	gag	ggc	ctc	agg	caa	ctc	gta	atg	aca	545
Lys	Leu	Thr	Glu	Asp	Lys	Lys	Glu	Gly	Leu	Arg	Gln	Leu	Val	Met	Thr	
135					140					145					150	

ttt caa cat ttc atg aga gaa gaa ata cag gat gcc tct cag ctg cca

593

27/36

Phe	Gln	His	Phe	Met	Arg	Glu	Glu	Ile	Gln	Asp	Ala	Ser	Gln	Leu	Pro	
				155					160					165		
cct	gcc	ttt	gac	ctt	ttt	gaa	gcc	ttt	gca	aaa	gtg	atc	tgc	aac	tct	641
Pro	Ala	Phe	Asp	Leu	Phe	Glu	Ala	Phe	Ala	Lys	Val	Ile	Cys	Asn	Ser	
			170					175					180			
ttc	acc	atc	tgt	aat	gcg	gag	atg	cag	gaa	gtt	ggt	gtt	ggc	cta	tat	689
Phe	Thr	Ile	Cys	Asn	Ala	Glu	Met	Gln	Glu	Val	Gly	Val	G1y	Leu	Tyr	
		185					190					195				
ccc	agt	atc	tct	ttg	ctc	aat	cac	agc	tgt	gac	ccc	aac	tgt	tcg	att	737
Pro	Ser	Ile	Ser	Leu	Leu	Asn	His	Ser	Cys	Asp	Pro	Asn	Cys	Ser	Ile	
	200					205					210					
														•		
gtg	ttc	aat	ggg	ссс	cac	ctc	tta	ctg	cga	gca	gtc	cga	gac	atc	gag	785
Val	Phe	Asn	G1y	Pro	His	Leu	Leu	Leu	Arg	Ala	Val	Arg	Asp	Ile	Glu	
215					220		•			225					230	
gtg	gga	gag	gag	ctc	acc	atc	tgc	tac	ctg	gat	atg	ctg	atg	acc	agt	833
Val	Gly	G1u	Glu	Leu	Thr	Ile	Cys	Tyr	Leu	Asp	Met	Leu	Met	Thr	Ser	
				235					240					245		
															•	
gag	gag	cgc	cgg	aag	cag	ctg	agg	gac	cag	tac	tgc	ttt	gaa	tgt	gac	881
											Cys					. –

255

260

250

28/36

tgt	ttc	cgt	tgc	caa	acc	cag	gac	aag	gat	gct	gat	atg	cta	act	ggt	929
Cys	Phe	Arg	Cys	Gln	Thr	Gln	Asp	Lys	Asp	Ala	Asp	Met	Leu	Thr	Gly	
		265					270					275				
gat	gag	caa	gta	tgg	aag	gaa	gtt	caa	gaa	tcc	ctg	aaa	aaa	att	gaa	977
Asp	Glu	Gln	Val	Trp	Lys	Glu	Val	Gln	Glu	Ser	Leu	Lys	Lys	Ile	Glu	
	280					285					290					
gaa	ctg	aag	gca	cac	tgg	aag	tgg	gag	cag	gtt	ctg	gcc	atg	tgc	cag	1025
Glu	Leu	Lys	Ala	His	Trp	Lys	Trp	Glu	Gln	Val	Leu	Ala	Met	Cys	Gln	
295					300					305					310	
gcg	atc	ata	agc	agc	aat	tct	gaa	cgg	ctt	ссс	gat	atc	aac	atc	tac	1073
Ala	Ile	Ile	Ser	Ser	Asn	Ser	Glu	Arg	Leu	Pro	Asp	Ile	Asn	Ile	Tyr	
				315					320					325		
cag	ctg	aag	gtg	ctc	gac	tgc	gcc	atg	gat	gcc	tgc	atc	aac	ctc	ggc	1121
Gln	Leu	Lys	Val	Leu	Asp	Cys	Ala	Met	Asp	Ala	Cys	Ile	Asn	Leu	Gly	
			330					335					340			
			-									•				
ctg	ttg	gag	gaa	gcc	ttg	ttc	tat	ggt	act	cgg	acc	atg	gag	cca _.	tac	1169
Leu	Leu	Glu	Glu	Ala	Leu	Phe	Tyr	Gly	Thr	Arg	Thr	Met	Glu	Pro	Tyr	
		345					350					355				

agg att ttt ttc cca gga agc cat ccc gtc aga ggg gtt caa gtg atg 1217

29/36

A 200	T1.	Dha	Dha	Dwo	C1	C - 30	u: -	Dave	V-1	A	C1	V-1	C1-	V-1	Wa+	
wα		rne	rne	FFO	GTÀ		nis	PTO	AST	Arg	GIÀ	vaı	GIII	vaı	Mer	
	360					365					370					
aaa	gtt	ggc	aaa	ctg	cag	cta	cat	caa	ggc	atg	ttt	ccc	caa	gca	atg	1265
						•				Met						
		,	-,-					9211	01)		1 110	110	0111			
375					380					385					390	
aag	aat	ctg	aga	ctg	gct	ttt	gat	att	atg	aga	gtg	aca	cat	ggc	aga	1313
Lys	Asn	Leu	Arg	Leu	Ala	Phe	Asp	Ile	Met	Arg	Val	Thr	His	G1y	Arg	
				395					400					405		
•																
gaa	cac	agc	ctg	att	gaa	gat	ttg	att	cta	ctt	tta	gaa	gaa	tgc	gac	1361
Glu	His	Ser	Leu	Ile	Glu	Asp	Leu	Ile	Leu	Leu	Leu	Glu	Glu	Cys	Asp	
			410				•	415					420			
acc	220	atc	202	ana.	too	tac	aaaa		aar t	.00.00	aaac			***	_	1410
						taa	ggga	acge	ag i	caga	igggc	ia ai	acg _e	scg re	3	1412
Ala	Asn	lle	Arg	Ala	Ser										•	
		425														
tgtc	tttg	tt g	aatg	cctt	a tt	gage	tcac	aca	ctct	atg	cttt	gtta	igo t	.øt.øt	gaacc	1472
						OGG								.0.0.	.6000	
tctc	ttat	tg g	aaat	tctg	t to	cgtg	tttg	tgt	aggt	aaa	taaa	ggca	ga c	atgg	tttgc	1532
aaac	caca	ag a	atca	ttag	t tg	taga	gaag	cac	gatt	ata	ataa	atto	aa a	acat	ttggt	1592

1622

tgaggatgcc aaaaaaaaaa aaaaaaaaaa

30/36

⟨210⟩ 51

<211> 428

<212> PRT

<213> Homo sapiens

<400> 51

Met Glu Pro Leu Lys Val Glu Lys Phe Ala Thr Ala Asn Arg Gly Asn

1 5 10 15

Gly Leu Arg Ala Val Thr Pro Leu Arg Pro Gly Glu Leu Leu Phe Arg
20 25 30

Ser Asp Pro Leu Ala Tyr Thr Val Cys Lys Gly Ser Arg Gly Val Val

35
40
45

Cys Asp Arg Cys Leu Leu Gly Lys Glu Lys Leu Met Arg Cys Ser Gln
50 55 60

Cys Arg Val Ala Lys Tyr Cys Ser Ala Lys Cys Gln Lys Lys Ala Trp

31/36

65

70

75

80

Pro Asp His Lys Arg Glu Cys Lys Cys Leu Lys Ser Cys Lys Pro Arg
85 90 95

Tyr Pro Pro Asp Ser Val Arg Leu Leu Gly Arg Val Val Phe Lys Leu
100 105 110

Met Asp Gly Ala Pro Ser Glu Ser Glu Lys Leu Tyr Ser Phe Tyr Asp 115 120 125

Leu Glu Ser Asn Ile Asn Lys Leu Thr Glu Asp Lys Lys Glu Gly Leu 130 135 140

Arg Gln Leu Val Met Thr Phe Gln His Phe Met Arg Glu Glu Ile Gln 145 150 155 160

Asp Ala Ser Gln Leu Pro Pro Ala Phe Asp Leu Phe Glu Ala Phe Ala 165 170 175 32/36

Lys Val Ile Cys Asn Ser Phe Thr Ile Cys Asn Ala Glu Met Gln. Glu
180 185 190

Val Gly Val Gly Leu Tyr Pro Ser Ile Ser Leu Leu Asn His Ser Cys
195 200 205

Asp Pro Asn Cys Ser Ile Val Phe Asn Gly Pro His Leu Leu Leu Arg
210 215 220

Ala Val Arg Asp Ile Glu Val Gly Glu Glu Leu Thr Ile Cys Tyr Leu 225 230 235 240

Asp Met Leu Met Thr Ser Glu Glu Arg Arg Lys Gln Leu Arg Asp Gln
245 250 255

Tyr Cys Phe Glu Cys Asp Cys Phe Arg Cys Gln Thr Gln Asp Lys Asp
260 265 270

Ala Asp Met Leu Thr Gly Asp Glu Gln Val Trp Lys Glu Val Gln Glu

33/36

275 280 285

Ser Leu Lys Lys Ile Glu Glu Leu Lys Ala His Trp Lys Trp Glu Gln
290 295 300

Val Leu Ala Met Cys Gln Ala Ile Ile Ser Ser Asn Ser Glu Arg Leu 305 310 315 320

Pro Asp Ile Asn Ile Tyr Gln Leu Lys Val Leu Asp Cys Ala Met Asp
325 330 335

Ala Cys Ile Asn Leu Gly Leu Leu Glu Glu Ala Leu Phe Tyr Gly Thr
340 345 350

Arg Thr Met Glu Pro Tyr Arg Ile Phe Pro Gly Ser His Pro Val
355 360 365

Arg Gly Val Gln Val Met Lys Val Gly Lys Leu Gln Leu His Gln Gly
370 375 380

34/36

Met Phe Pro Gln Ala Met Lys Asn Leu Arg Leu Ala Phe Asp Ile Met

385

390

395

400

Arg Val Thr His Gly Arg Glu His Ser Leu Ile Glu Asp Leu Ile Leu

405

410

415

Leu Leu Glu Glu Cys Asp Ala Asn Ile Arg Ala Ser

420

425

<210> 52

<211> 7

<212> PRT

<213> Homo sapiens

<400> 52

Asn His Ser Cys Asp Pro Asn

1

5

<210> 53

35/36

<212> PRT

<213> Homo sapiens

<400> 53

Gly Glu Glu Leu Thr Ile Cys Tyr

1 5

<210> 54

⟨211⟩ 7

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

⟨222⟩ (5)..(6)

<223> "Xaa" indicates any amino acid

<400> 54

1

Asn His Ser Cys Xaa Xaa Asn

5

36/36

<210> 55

⟨211⟩ 8

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

⟨222⟩ (5)..(7)

<223> "Xaa" indicates any amino acid

<400> 55

Gly Glu Glu Leu Xaa Xaa Xaa Tyr

1

5